

MLINOV, Isank Bentsionovich, inzh.; SMAGORINSKIY, B.S., red.; IZHBOLDINA,  
S.I., tekhn.red.

[Electric slag welding of large-size thick-walled structures]  
Elektroshlakovaya svarka krupnogabaritnykh, tolstostenaykh  
konstruktsii. Stalingrad, Stalingradskoe knizhnoe izd-vo, 1960.  
34 p. (MIRA 13:7)

(Electric welding)

SMAGORINSKIY, B.S.; SHMAKOV, A.I.; BURYANOV, N.S., tekhn. red.

[People with creative minds] Liudi tvorcheskoi mysli:  
A.P.Adamian, A.A.Kuprin, IU.A.Nechaev, G.E.Sheviakov,  
K.F.Ponomarev, IA.IA.Iakimenko, A.I.Stukalov, V.N.  
Riaguzov, G.I.Demidov, A.U.Alekseev. Volgograd, Volgo-  
gradskoe knizhnoe izd-vo, 1962. 110 p. (MIRA 16:6)  
(Technological innovations)

S/194/62/000/007/018/160  
D222/D309

AUTHORS: Smačovič, Vaclav, and Pužman, Josef  
TITLE: Methods of discriminating (analyzing) printed or handwritten signs  
PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 7, 1962, abstract 7 -1-80 s (Automatizace, 1961, 4, no. 12, 356 - 359 [Czech.; summaries in Rus., Ger., Eng. and Fr.] )

TEXT: Problems in the recognition of printed or written signs (letters, digits) are of decisive importance for the construction of a reading machine which could be used in many branches of technology. Reading machines contain the following basic parts: input unit, usually of a mechanical type; scanning unit, memory unit for the storage of standard (template) signs; converter; output unit. The analysis of the signs is accomplished by scanning them, discovering their characteristic properties and comparing these with the standard signs. Pattern recognition methods can be divided into two groups - absolute and relative, of which the latter are more economical.  
Card 1/3

S/194/62/000/007/018/160  
D222/D309

Methods of discriminating ...

mical and simpler. The photoelectrical scanning of the image is either independent of the form of the signs, or it is determined by their contours. There is also topological methods of scanning, based on the forms of the curves defining the contours of the signs (one single curve C, S, U, two separate curves Č, Š, Ů, etc.). At present, machines using rectangular, polar (spiral) or other types of scanning (which is independent of the form of the sign) are elaborated more completely. In pattern recognition it is very important to distinguish accurately between the sign and the background noise due to the electronic devices in the reading machine and to the methods of representation (the use of magnetic ink, etc.). A great number of reading machines are based on a rectangular scanning system using mechanical (Nipkow disc) or electronic methods. With mechanical scanning each character is converted into 25-30 pulses which ensures a reading speed of up to 3600 words per minute. In the machine made by Solartron (USA) an electronic scanning system is used with a vertical raster and an additional system of modulation. This machine reads the printed figures 0-9, 10, 11,  $\frac{1}{2}$  and the sign +. The reading speed is 300 characters per second with one error in every 10<sup>6</sup> characters. In the machine Sprick a spiral

Card 2/3

Methods of discriminating ...

S/194/62/000/007/018/160  
D222/D309

scanning system is used and the characters read are projected onto the photocathode of an iconoscope, forming an electrical relief. During the recognition of characters the derivative of the voltage on the mosaic elements is used. This machine is capable of reading both printed and hand-written texts. Among the machines using a scanning of the contour (follower scanning) there is another Sprick machine which is based on principles of differential geometry, and also machines with parallel reading using the method of optical congruence. Machines based on topological principles are not yet in wide use and work on their construction is only beginning. 9 figures. 10 references. [Abstracter's note: Complete translation.]

Card 3/3

SMAGOVIC, Vaclav

Pjototelegraph. Sdel tech 10 no.8:294-295 Ag '62.

SMAGOVIC, V.

Telstar, the telecommunication satellite. Sdel tech 10 no.10:381-382  
0 '62.

SMAGOVIC, V.

A device for multiple coding of position modulations. Slaboproudy  
obzor 23 no.9:542-543 S '62.



SMAGOWICZ, Krzysztof, mgr

Zooplankton in the Porabka Dam Reservoir. Acta hydrobiol 5  
no.2/3:147-158 '63.

1. Katedra Hydrobiologii, Uniwersytet Jagiellonski, Krakow,  
Oleandry 2a.

SMAGOWSKI, Henryk

Convenient apparatus for the preparation of chromous acetate.  
Matem fiz chem Gdansk 2 139-141 '62.

1. Department of Inorganic Chemistry, School of Education,  
Gdansk.

JASINSKI, Tadeusz; KUKOT, Zbigniew; SIAGOMSKI, Henryk

Potentiometric titration of hexachlorotellurites of some  
aromatic amines in nonaqueous media. Chem anal 8 no.4:521-523  
'63.

1. Department of Inorganic Chemistry, Pedagogic School, Gdansk.

JASINSKI, Tadeusz; ~~SMAGLIK, Henryk~~

Potentiometric titration of Reinecke's salts in nonaqueous media. Chem anal 8 no.4:525-527 '63.

1. Department of Inorganic Chemistry, Pedagogic School, Gdansk.

JASINSKI, Tadeusz, doc. dr inż.; SMAGOWSKI, Henryk, mgr; KOREWA, Ryszard, dr

Titration of complex salts with anions of the  $\text{MeCl}_6^{2-}$  and  $\text{MeBr}_6^{2-}$   
type in basic organic solvents. Chem anal 9 no.2:343-347  
'64.

1. Department of Inorganic Chemistry, School of Pedagogy, Gdansk.

POLAND

SMAGOWSKI, Henryk

Dept. of Inorganic Chemistry, Gdansk Polytechnic (Katedra  
Chemii Nieorganicznej Politechniki Gdanskiej)

Wroclaw, Wiadomosci chemiczne, No 8, Aug 1965, pp 591-93

"Research on the acid-base equilibrium in nitroalkanes."  
(Doctoral thesis)

L 00913-67 EWP(j)/T RM/DS/WW/JW

ACC NR: AF6035456

(N)

SOURCE CODE: PO/0099/66/040/004/0511/0519

Rodziewicz, Włodzimierz and Smagowski, Henryk, of the Department of Inorganic Chemistry  
Institute of Technology, Gdansk (Katedra Chemii Nieorganicznej Politechniki)  
Department of Inorganic Chemistry, Normal School, Gdansk. (Katedra Chemii  
Nieorganicznej Wyższej Szkoły Pedagogicznej)  
"Acid-Base Equilibria in Nitroalkanes. I. Spectrophotometric Study of the  
Relative Base Strengths of Monosubstituted Aniline Derivatives in Nitro-  
methane Medium"

Warsaw, Roczniki Chemii, Vol 40, No 4, 1966, pp 511-519.

Abstract (Authors' English abstract modified): The equilibrium constants  
of picrate formation for monosubstituted aniline derivatives in nitromethane  
medium were determined by the spectrophotometric method. The equilibrium  
constants determined are compared with the  $pK_a$  and Hammett  $\sigma$  values of  
amines in water. Orig. art. has: 1 figure, 6 formulas and 1 table. [PES: 36,867]

TOPIC TAGS: spectrophotometric analysis, nitromethane, equilibrium constant

SUB CODE: 07 / SUBM DATE: 13 Feb 65 / ORIG REF: 004 / OTN REF: 051

Card 1/1

hs

42  
B

0921 2/74

SERGAZIN, A.G., kand.med.nauk; SNAGULOV, A.S.

Multiple bone lesions with leucosis accompanied by multiple pathological fractures. Zdrav. Kazakh. 21 no.8:16-19 '61.

(MIRA 14:9)

1. Iz kafedry rentgenologii i radiologii (zav. - prof. S.B Balmukhanov) Kazakhskogo meditsinskogo instituta.  
(BONES---WOUNDS AND INJURIES) (LEUCOSIS)



SMAGULOV, A.S.; BALMUKHANOV, S.B.

Hemodynamic disorders in radiotherapy. Zdrav. Kazakh. 22 no.2:  
24-29 '62. (MIRA 15:4)

1. Iz kafedry rentgenologii i radiologii (zav. - doktor med.nauk  
S.B.Balmukhanov) Kazakhskogo meditsinskogo instituta.  
(BLOOD--CIRCULATION, DISORDERS OF) (RADIOTHERAPY)

SMAGULOV, A.S.

Character of the changes in potassium and sodium excretion in the urine of patients during radiotherapy. Zdrav.Kazakh. 22 no.7:17-21 '62. (MIRA 16:1)

1. Iz kafedry rentgenologii i radiologii (zav. - prof. S.B. Balmukhanov) Kazakhskogo meditsinskogo instituta.  
(RADIOTHERAPY) (POTASSIUM IN THE BODY)  
(SODIUM IN THE BODY)

SMAGULOV, A.S.

Permeability and resistance of the vascular walls in patients  
during X-ray therapy. Zdrav.Kazakh. 22 no.6:24-28 '62.

(MIRA 15:11)

1. Iz kafedry rentgenologii i radiologii (zav. - prof. S.B.  
Balmukhanov) Kazakhskogo meditsinskogo instituta.

(X RAYS--THERAPEUTIC USE)  
(CAPILLARIES--PERMEABILITY)

SMAGULOV, A.S.

Some mechanisms of vascular reactions in patients during radiation therapy. Zdrav. Kazakh. 22 no.8:19-24 '62

(MIRA 17:4)

1. Iz kafedry rentgenologii i radiologii (zav. - prof. S.B. Balmukhanov) Kazakhskogo meditsinskogo instituta.

DZHUMAGULOV, I.K.; SMAQULOV, A.S.

[The experience of progressive workers in the raising of young camels]  
Opyt peredovikov po vyreshchivaniu verblushat. Alma-Ata, Kazakhskoe  
gos. izd-vo, 1950. 37 p. (MLRA 10:2)  
(Camels)

SMAGULOV, A.S.

Particular features in the development of Bactrian camel foals.

Izv.AN Kazakh.SSR. Ser.biol. no.6: 27-38 '51.

(MLBA 9:5)

(KAZAKHSTAN--CAMELS)



CHIRTSOV, A. G.

"Growth Variations in the Live Weight and Exterior of the Goat."  
Sov. Vet. Sci., 111-Union Sci-Res Inst of Animal Husbandry, Moscow, 1975. (1, No. 1, Feb 75)

CC: Sov. No. 131, 24 Jan 75-Survey of Scientific and Technical  
Dissemination Reported at USSR Higher Educational Institutions  
(14)



SMAJULOV, B.

2/84. Sovkhozy Kazakhstana V. Bor'be Za Obiliye Sel'skokhozya ystvennykh produktov. M., 1954. 15c 20 cm. (M-vo vyssh. obrozovaniya SSSR. In-T povyshaya kvalifikatsii Prepodavateley Marksizma-Leninizma pri mosk. g.o.s. Un-Te im M.V. Lomonosove). 100 zkh B.TS-(54,55752)

SO: Knizhnaya Letopis, Vol. 2, 1955

L 23284-65 EWT(m)/EWP(w)/EMA(d)/T/EWP(t)/EWP(b)/EWP(1) LJP(c) JD  
 ACCESSION NR: AR4040339 S/0124/64/000/004/V073/V074

SOURCE: Ref. zh. Mekhanika, Abs. 4V550

AUTHOR: Bikashov, P.; Smagulova, A.; Plotnikova, E.

TITLE: The effect of plastic deformation on the structure and microhardness of copper

CITED SOURCE: Tr. Kazakhsk. politekhn. in-ta, sb. 23, 1963, 247-252

TOPIC TAGS: copper microhardness, copper crystal structural, plastic deformation, compression deformed sample, crystallite block fragmentation, interference line width, interference line intensity, extinction effect, x-ray analysis

TRANSLATION: The study concerned Cu with a grain size varying from  $10^{-4}$  to  $10^{-2}$  cm. Samples were deformed by compression. The authors measured the microhardness and carried out an x-ray structural analysis of the width and intensity of interference lines. It was established that blocks of mosaic structure undergo changes and become disoriented in the process of plastic deformation. As a result, the microhardness increases as the level of deformation advances to 25-30%. Saturation follows in the 40-70% area and a further increase in microhardness occurs a-

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L 23284-65

ACCESSION NR: AR4040339

bove deformation levels of 85-95%. The widening of the lines on x-ray patterns increases when the level of deformation is raised to 30%. Such an increase is related primarily to fragmentation of crystallite blocks. Fragmentation moderates as the level of deformation continues to rise and accelerates again when it reaches levels of 85-90%. The width of low index lines does not vary in the process of deformation. The intensity of lines on x-ray patterns decreases as the level of deformation rises. The authors noted the significance of the extinction effect on the magnitudes of line intensity measured on x-ray patterns for various levels of deformation. L. I. Mirkin

SUB CODE: MM, SS

ENCL: 00

Card 2/2

LODEYSHCHIKOV, V.V.; SKOBEYEV, I.K.; SMAGUNOV, V.N.

Chemical transformations of precious metals in oxidation  
roasting and their importance for the cyanidation process.  
Izv. Sib. otd. AN SSSR no. 11:53-62 '60. (MIRA 14:1)

1. Irkutskiy gosudarstvennyy nauchno-issledovatel'skiy institut  
redkikh metallov.

(Precious metals—~~Metallurgy~~)

SMAGUNOV, V.N.; VASIL'YEV, Ye.K.

Holder of samples and shielding from scattered X-ray radiation for  
the URS-50I diffractometer. Rent.min.syr. no.3:156-158 '63.  
(MIRA 17:4)

1. Institut zemnoy kory Sibirskogo otdeleniya AN SSSR.

BOGOMOL, N. I.; MARSHENKO, A. N.; STARKOVY, Yu. I.

Modern methods of X-ray spectral fluorescence analysis (survey).  
Zav. lab. 30 no. 4:420-425 '64. (MIRA 17:4)



SMAGUNOVA, A.N.; LOSEV, N.F.; LIFSAYA, V.I.

A new variant in evaluating the effect of chemical composition of samples during X-ray spectral analysis. Zav. lab. 31 no.2:166-168 '65.

(MIRA 18:7)

1. Irkutskiy gosudarstvennyy nauchno-issledovatel'skiy institut redkikh metallov.



SMAGUNOVA, N.A.

Thick gold plating. Priborostroenie no.5:21-22 My '61.  
(MIRA 14:5)

(Gold plating)

1107

S/123/62/000/005/006/010  
A052/A101

1.100

AUTHOR: Smagunova, N. A.

TITLE: Electrodeposition of gold-copper alloy

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 5, 1962, 43-44,  
abstract 5B256 (V sb. "Elektrolit. osazhdeniye splavov." Moscow,  
Mashgiz, 1961, 125-128)

TEXT: The results are presented of a study of conditions of electrolytic deposition of lustrous gold-copper alloy deposits, 10 - 20 micron thick. The study has been carried out by the Scientific-Research Institute of the Watch Industry. On the basis of the data obtained, for producing lustrous thick gold deposits directly from the bath, the following electrolyte is recommended: metallic gold in the form of  $\text{KAu}(\text{CN})_2$  - 3-5 g/l, metallic copper in the form of  $\text{K}_2\text{Cu}(\text{CN})_3$  - 3-9 g/l, potassium cyanide (free KCN) - 1 - 1.5 g/l, sodium sulfite  $\text{Na}_2\text{SO}_3$  - 10 g/l. The process runs at 75 - 80°C, cathode current density  $D_c = 0.1 - 0.2 \text{ a/dm}^2$ , and pH = 7.0 - 7.4; the current is 80%. The rotating speed of parts or of the suspender with parts is 15 - 25 rpm. In such electrolyte gold and copper dissolve on the anode with the current efficiency of not

Card 1/2

X

S/226/62/000/002/005/010  
1003/1203

AUTHOR: Smagunova, N. A., Besidovskiy, Ye. Ya., and Yudina, A. K.

TITLE: Production of highly dispersed silver powders

PERIODICAL: Poroshkovaya metallurgiya, no. 2 1962, 49-57

TEXT: Various aspects of production technology of highly dispersed light colored powders are discussed in connection with the silver coating process of watch dials, developed in the Soviet Union in 1959. The size of the silver particles should be  $2-3\mu$ , this particle size comprising not less than 85% of the total amount of powder. The electrolysis was carried out in a 250 ml round glass container using 99.9% silver anodes and a polished stainless steel cathode. The anode to cathode surface ratio was 3-5 : 1. The authors investigated the influence of the concentration and cathodic current on the physical properties of the powders. Lower concentrations give more highly dispersed and uniform powder, while increasing cathodic current results in a finer but darker material. The beneficial influence of surface-active brightening agents on the dispersity and homogeneity of the powders is stressed. There are 4 figures and 5 tables.

ASSOCIATION: Nauchno-issledovatel'skii institut chasovoi promyshlennosti (Scientific Investigation Institute of Watch Industry)

SUBMITTED: July 25, 1961

Card 1/1

ACCESSION NR: AP4018073

S/0119/64/000/002/0012/0013

AUTHOR: Balashova, N. N.; Smagunova, N. A.; Tovpinets, Ye. I.

TITLE: Reducing porosity of nickel coating

SOURCE: Priborostroyeniye, no. 2, 1964, 12-13

TOPIC TAGS: nickel plating, nickel coating, nickel coating porosity, nickel electroplating, electroplating

ABSTRACT: An experimental investigation of the effect of additives to (a) nickel electrolytes or (b) cleaning liquors upon the porosity of nickel coating is described. Cation-active, anion-active, and nonionogen additives were tested; each test was conducted with power on and power off, and the results were evaluated by a microscopic count of visible pores per  $1 \text{ cm}^2$ . These results with additions to the electrolyte are reported:

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ACCESSION NR: AP4018073

Additive:	Pore Count:	
	Power On	Power Off
	10-15 sec	
None	500	500
Sodium lauryl sulfate	500	120
French tipol	500	130

And with additions to cleaning liquors:

Class:	Additive:	Pore Count:	
		Power On	Power Off
	None	500	500
Cation	Alkamon D	90	330
Anion	Sodium lauryl sulfate	500	390
Nonionogen	OP-7	28	23

Card 2/3

ACCESSION NR: AP4018073

It is recommended that the parts to be nickel-plated be washed in a water bath to which 1-1.5 g/lit of OP-7 or OP-10 has been added. Orig. art. has: 2 figures and 2 tables.

ASSOCIATION: NIChasprom (Scientific Research Institute of Clock Industry)

SUBMITTED: 00

DATE ACQ: 18Mar64

ENCL: 00

SUB CODE: ML

NO REF SOV: 004

OTHER: 004

Card 3/3

procedures for the production of pores and pore-free films continue from solid films. Dokl. Akad. Nauk. 236 no. 4:187-193, Apr 1965. (MIRA 18-6)

SMAGUNOVA, N.A., GAVRILOVA, I.A.

Investigating the causes of the instability of the electrodeposited gold-copper alloy from a neutral cyanic electrolyte. Zashch. met. i no. 5:521-524, S-O '65. (MIRA 18:9)

1. Nauchno-issledovatel'skiy institut khimicheskoy promyshlennosti.



ACC NR: AP6021078

(N)

SOURCE CODE: UR/0365/66/002/002/0213/0215

AUTHOR: Smagunova, N. A.; Balashova, N. N.

ORG: Scientific-Research Institute of the Watchmaking Industry (Nauchno-issledovatel'skiy institut chasovoy promyshlennosti)

TITLE: Effect of surface active substances on the porosity and adhesion of nickel coatings

SOURCE: Zashchita metallov, v. 2, no. 2, 1966, 213-215

TOPIC TAGS: nickel plating, electroplating, surface active agent, adhesion, metal porosity, ~~surface property~~, heat treatment, SURFACE TENSION

ABSTRACT: The effect of changing the concentration of surface active substances in rinse solutions during nickel plating was studied. Nickel plating was carried out in an electrolyte containing (g/l):  $\text{NiSO}_4 \cdot 7\text{H}_2\text{O}$ --300,  $\text{H}_3\text{BO}_3$ --30,  $\text{NaF}$ --6,  $\text{NaCl}$ --15, sodium salt--2.6 to 2.7 and disulfonaphthalenic acid--4. The plating conditions were 0.75 a/dm<sup>2</sup> at pH=5.5-5.9. Prior to nickel plating, samples were rinsed in OP-7 (a surface active product of the reaction of 7 mol of ethylene oxide and a mixture of mono- and dialkylphenols) solutions ranging in composition from 0.1 to 2.5 g/l. The surface tension and the number of bends to flaking of the coating dropped sharply with concentration, leveling off at 1.0 g/l. The number of pores per cm<sup>2</sup> dropped sharply from

Card 1/2

UDC: 621.357.7

SMAHA, J.; Vlasak, J.

Marking of semiconductor elements. p. 451.

SDELUVACI TECHNIKA. (Ministerstvo strojirenstvi) Praha, Czechoslovakia,  
Vol. 7, no. 12, Dec. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1,  
Jan. 1960.

Uncl.

ACCESSION NR: AP4033030

Z/0039/64/025/005/0278/0287

AUTHOR: Klimek, Adolf (Engineer); Smaha, Jaronir (Shamaga, Y.) (Engineer)

TITLE: Silicon controlled rectifier circuits

SOURCE: Slaboproudy obzor, v. 25, no. 5, 1964, 278-287

TOPIC TAGS: silicon rectifier, circuit design, rectifier, circuit, firing circuit, thyatron

ABSTRACT: The article describes the data important for designing circuits containing silicon controlled rectifiers. Tables with data of Czechoslovak-made silicon controlled rectifiers are appended. The firing circuits are classified according to the kind of firing signal and the principal requirements for designing firing and turn-off circuits are pointed out. Typical examples are used to show the applications of silicon controlled rectifiers in phase control, stabilizers, protective networks, pulse generators, measuring, modulating and logic circuits. Finally, the silicon controlled rectifier is compared with

Card 1/2

SMAHEL, I.

SMAHEL, I. Slaking of white air-slaked and dolomite lime without pressure. p. 305

Vol. 34, no. 8, Aug. 1956

STAVIVO

TECHNOLOGY

Praha, Czechoslovakia

So; East European Accession Vol. 6, no. 2, 1957

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and  
Their Application, Part 2. - Ceramics, Glass,  
Binders, Concretes. - Binders, Concretes and Other  
Silicate Building Materials.

H-12d

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 22213

Author : J. Rosa, V. Petr, I. Smahel

Inst : -

Title : Burning of Lime in Powder State.

Orig Pub : Stavivo, 1957, 35, No 7, 259-265

Abstract : An experiment of lime burning in rotating kilns with heat  
exchangers is described. The daily production of a kiln  
is 100 tons, the heat consumption is 900 to 1000 kcal per  
1 kg of the burnt product.

Card 1/1

Revascularization of a free skin autograft. Acta chir. plast. 4  
no.2:n.p. '62.

1. Department of Histology and Embryology, Medical Faculty, Charles  
University, Hradec Kralove (Czechoslovakia) Director: Prof. V. Vrtis  
M.D.

(SKIN TRANSPLANTATION exper.)

SHAMEN, J.

"Nomographic Solution of the Differential Equation of the Servomechanism." (Supplement) p. T109. , (ELEKTROTECHNICHESKY OBOZOR, Vol. 42, No. 12, December 1953, Praha, Czechoslovakia).

SO: Monthly list of East European Accessions, LC, Vol. 3, No. 5, May 1954, Unclassified

J. ŠKABEL.

"Application of nomograms for the graphical solution of differential equations" (for solving diff. equations of the 1st order which cannot be solved by quadrature or the solution of which is 'difficult').

See also: "Nomographic solution of the diff. equation of serve mechanisms" by the same author, Insert, pp. T 109 - T 113. By J. Škabel

Elektrotechnický sborník (Electrical Engineering Review, Czechoslovakia), Vol. 42, Nov. 12, Dec. 1953, pp. 605-713. (Air, AA, London, IR-54-54, 22 Mar 54, Unclassified)

Graphic versions of various integrating methods of numerical calculation;  
new ways of graphic integration. p. 192.  
(ELECTROTECHNICAL JOURNAL, vol. 44, no. 4, Apr. 1955, Praha)

SO: Monthly List of East European Accessions, (EIAL), LC, Vol. 4, No. 11,  
Nov. 1955, Uncl.



✓ 2  
GRAPHICAL SOLUTION OF NONLINEAR OSCILLATION 821.3.01

J. Šmilauer

Elektrotech. Obzor, Vol. 45, No. 7, 355-57 (1936). In Czech.  
The aim of the paper is to give two methods for the continuation of integrals of differential equations. The time-saving advantage of Simpson's rule as compared to Runge's method is discussed. A modification of Schulze's method based on correct estimates of the first derivatives is suggested for the numerical solution of differential equations; thus the tedious work of nomograph scaling is replaced by mechanical integration methods. The author's method makes it possible to estimate the stability of the solution.

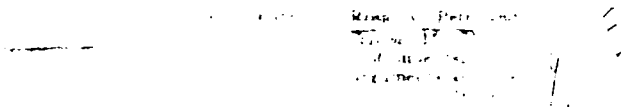
S. Erdélyi //

1.1.1.1.1.

Approximate confocal representation of Bessel's ellipsoid. p. 237.

(Institute of Virology - Czechoslovak Academy of Science) Vol. 2, No. 4, 1957

50: Monthly Index of East European Accessions (MIEA) 10, Vol. 2, No. 5 May 1958



SMAHEL, J.

Regeneration of vascular bed in sutured skin wound. Acta chir. plast.  
4 no.3:185-191 '62.

1. Department of Histology and Embryology, Medical Faculty, Charles  
University, Hradec Kralove (Czechoslovakia) Director: Prof. V. Vrtis,  
M.D., Ph.D.

(WOUND HEALING)

(SKIN)

SMAHEL, Jiri; CHARVAT, Zdenek

The effect of 600 r on the healing of skin defects in the rat.  
Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1s235-240 '64.

1. Katedra histologie a embryologii (prednosta: prof. MUDr. et  
RNDr. V. Vrtis) Karlovy University v Hradci Kralove.

SMAHEL, J.

Healing of vascular bed in disrupted and resutured skin wounds.  
Acta chir. plast. 7 no.2:92-100 '65

1. Department of Histology and Embryology, Medical Faculty,  
Charles University, Hradec Kralove, Czechoslovakia (Director:  
Prof. V. Vrtis, M.V.Dr. et R.N.Dr.)

SMAHEL, Josef, dr.

Numerical solution of algebraic equations by Bernoulli-Whitaker method. Zpravodaj VZLU no.1:7-9 '62.

SMAREL, M.

Apparatus for Magnetic Induction Tests on Materials. V.  
Sbornik Defektoskopie, 1954, 307-316. (In Czech).  
Czechoslovak and foreign electromagnetic sorting bridges are  
discussed. P. 8



SWANSON, G. and H. SWANSON.

Úst. pro výsk. antibiot. v Roztokách; I. intern. Klin., lék. fak., Karlovy Univ., Praha. \*Perocillin-penicillinové tablety pro perorální terapii. Perocillin-peroral penicillin tablets PVL. Lék. Čas. 1953, 92/22 (595-601) Graphs 3

The clinical trials of new oral penicillin preparations, containing procaine-penicillin and procaine-penicillin with amidopyrine, are described. One tablet, containing 200,000 U. of penicillin maintains therapeutic blood levels for 12 hr. Even after 24 hr. the level is still 0.05 U. per ml. When the combination with amidopyrine is used, the levels are still higher. Numerous cases of pneumonia, meningitis, etc. were treated with 2-3 tablets of these preparations per 24 hr., with the same effects as from parenteral penicillin therapy. The best results were obtained with the amidopyrine-containing combination. The mechanism of action is discussed.

Rašková - Prague (II, I)

SO: 87026 71 18910 - Section II, Vol. 7, No. 10

SMAREL, O.;HEROLD, M.

Peroral penicillin. Cas. lek. cesk. 92 no.51:1379-1384 11 Dec 1953.  
(CLML 25:5)

1. Of the Research Institute of Antibiotics (Director--Ing. M. Herold),  
Roztoki and of the First Internal Clinic (Head--Prof. M. Netousek, M.D.)  
of Charles University, Prague.

SMAHEL, Otakar, Doc. MUDr

Regulation of the nervous system in pathogenesis of diseases.

Shorn. lek. 56 no.7:135-149 Sept 54.

(DISEASE, etiology and pathogenesis  
nervous system regulation disord.)

(NERVOUS SYSTEM,  
regulation disord. as etiol. factor in various dis.)

SMAHEL, Otakar, Doc. Dr.

Prodromal stage of disease. Cas. lek. cesk. 93 no.40-41:1146-1148  
8 Oct 54.

(DISEASE

prodromal stage, manifested by disord. of higher nervous  
funct.)

(CENTRAL NERVOUS SYSTEM, physiology

higher nervous funct. disord, manifesting prodromal  
stage of disease)

Smahel, O.

# CZECH

✓ Bronchopen (Penethamate hydroiodide). A new penicillin preparation with an affinity to lung tissue. J. Dosek, M. Herold, O. Smahel, V. Vlcek, and D. Koskova (Výzkumný ústav Antimikrobiologie, Brno, Czech.). *Časopis Lékařů Českých* 93, 1367-70 (1954).—Properties and qualitative criteria of the hydroiodide of benzylpenicillin diethylaminoethyl ester are mentioned. Clinical observations are reported. I. M. Hall

SMAHEL, O.

SMAHEL, O., Dr. Doc.; KOHOUT, J., Dr.; KORBŮVA, L., Dr.; KOVÁŘIKOVÁ, A., Dr.

Neurohumoral effects on gastric secretion. Cas. lek. česk. 44 no.12:  
293-294 18 Mar 55.

1. Z I. interni kliniky K.U., prednosta prof. Dr. Netoušek  
(STOMACH, physiology  
gastric secretion, neurohumoral eff. on)  
(GASTRIC JUICE  
secretion, neurohumoral eff. on)

Aureomykoin, Czechoslovakian brand of chlortetracycline. M. Dolmal, J. Doskočil, M. Herold, O. Šmahel, *Shm*  
and V. Vlček (Výzkumný Ústav Antibiotik, Roztoky, Czech.). *Casopis Lékařů Českých* 94, 1393-6(1953).  
Description of chem. properties, dosage forms, side effects, and clinical tests. The pharmacology of Czechoslovakian Aureomykoin. Vojtěch Šabek, Zdeněk Lojda, Rudolf Lukes, and Jiří Jelinek (Charles Univ., Prague). *Ibid.* 1396-1404. *Hals*

7

SMAHEL, O., Doc. MUDr.; PALEC, R., MUDr.

Model plan for schooling & education of internists, 1st degree  
& model plan for schooling & education of ward physicians. Cesk.  
zdravot. 5 no.8:436-439 Aug 57.

1. Vedouci katedry interniho lekarstvi UDL v Praze. Vedouci katedry  
organisace zdravotnictvi a zdravotnicke osvedy UDL v Praze.

(EDUCATION, MEDICAL,  
in Czech. (Cs))

(MEDICINE, INTERNAL, educ.  
in Czech. (Cs))



SMAHEL, O.

Concerning the fate of internal medicine. Cas. lek. cesk.  
96 no.14:413-416 4 Apr 57.

1. Interni katedra Ustavu pro diskolovani lekaru v Praze.  
(MEDICINE, INTERNAL  
in Czech. (Cz))

SVORCIK, C.; HONSOVA, H.; SMAHEL, O.

Treatment of asthmatic bronchitis with penester and an oral preparation of AP-III. Cas. lek. cesk. 96 no.27-28:890-894 5 July 57.

1. Interni katedra Ustavu pro doskolovani lekaru, Praha-Krc, prednosta doc. Dr. Otakar Smahel.

(ASTHMA, ther.

penicillin G diethylaminoethyl ester hydriodide & aminopyrine-antihistaminic-penicillin prep. (Cs))

(PENICILLIN, ther. use

penicillin G diethylaminoethyl ester hydriodide & penicillin-aminopyrine-antihistaminic prep. in asthma (Cs))

(AMINOPYRINE, ther. use

aminopyrine-antihistaminic-penicillin prep. in asthma (Cs))

(ANTIISTAMINICS, ther. use

antihistaminic-aminopyrine-penicillin prep. in asthma (Cs))

SMAHEL, O.;SCHUCK, O.

Absorption of peroral penicillin preparations. Cas. lek. cesk. 96  
no. 40-41:1311-1314 11 Oct 57.

1. Interni katedra Ustavu pro doakolovani lekaru, predmosta doc. Dr.  
O. Smahel.

(PENICILLIN, administration,  
oral, absorp. rate (Cz))

SMAHEL, Otakar, Doc. Dr.

Present epidemic of influenza, Cas. lek. česk. 96 no.42:1359-1362  
18 Oct 57.

1. Interni katedra Ustavu pro doskolovani lekaru Praha. Prof. V. Kruta,  
Brno, Komenskeho nam. 2.  
(INFLUENZA, epidemiol.  
in Czech (Cs))

SMAHZL, Otakar, Doc. MUDr.

Contemporary problems of pharmaceutical research, production & utilization of drugs. Cesk. zdravot. 6 no.8:423-429 Aug 58.

- 1, Vedouci interni katedry Ustavu pro doskolovani lekar u v Praze.  
(DRUG INDUSTRY  
in Czech., problems of pharmaceutical research, prod. &  
utilization of drugs (Cz))

SMÁHEL, Otakar (Praha-Krc, Budejovicka 800)

Future plans for investigation and production of drugs. Cas. lek. česk.  
97 no.23-24:728-729 6 June 58.

1. Interní katedra Ústavu pro doskolování lékařů, Praha-Krc, přednosta  
doc. dr. O. Smáhel,

(DRUG INDUSTRY,  
in Czech. (Cz))

EXCERPTA MEDICA Sec 6 Vol 13/6 Internal Med Sent 59

5265. RESULTS OF THE FIRST CLINICAL TRIALS WITH ORAL PENICILLIN V PRODUCED IN CZECHOSLOVAKIA - První klinické zkušenosti s perorálním penicilinem V Československé výroby - Modr Z, Urban J. and Šmahel O. Int. Kat. Úst. pro Doškolení Lék., Praha - ČAS. LÉK. ČES. 1958, 97/48 (1500-1502)

Penicillin is found in the blood more briefly when penicillin V is used than is true with penicillin G. Signs of hypersensitivity after use of penicillin V appear in only 0.2%, in comparison with 0.4-5.0% for penicillin G. Penicillin V was effective in haemolytic streptococcus infection. In one of 30 cases the causative microorganism was resistant to penicillin V. The effect in scarlet fever was the same as that of penicillin G (used in other cases). Procházka - Prague (L, 6)

SMAHEL, O., Doc. MUDr.

On the problem of scientific and economical aspects of prescription.  
Cesk. zdravot. 7 no.9:501-506 Oct 59.

1. Pred. interni katedry Ustavu pro doskolovani lekaru.  
(PRESCRIPTIONS)



SMAHEL, O. (Praha-Krc, Budejovicka 800)

Current opinions on the etiology & pathogenesis of tumors. Cas. lek.  
cesk. 98 no.28:865-867 10 July 59.

1. Interni katedra Ustavu pro doskolovani lekaru v Praze, prednosta doc.  
dr. O. Smahel.

(NEOPIASMS, etiol. & pathogen.  
current status (Cz))

KONIG, J.; MOIR, Zd.; SKODA, J.; SMAHEL, O.; SORM, Fr.; SVEHIA, Ct.

Prospects of development in the chemotherapy of malignant tumors in Czechoslovakia. Cas. lek. cesk. 98 no.28:877 10 July 59.

1. Interní katedra Ústavu pro doskolování lékařů v Praze, přednosta doc. dr. O. Smahel, Biochemické oddělení Chemického ústavu CSAV v Praze, přednosta akademik Fr. Sorm. J. K., Praha-Krc, Budejovická 800.

(NEOPLASMS, ther.

chemother., progr. in Czech. (Cz))

(CHEMOTHERAPY, in various dis.

cancer, progr. in Czech. (Cz))

SMÁHEL, Otakar

Role of histamine in allergic diseases. Cas.lek.cesk. 98 no.46:  
1421-1424 13 N '59.

1. Interní katedra Ústavu pro doskolování lékařů v Praze, před-  
nosta doc.dr. O. Smáhel.

(ALLERGY physiol.)

(HISTAMINE physiol.)

GRAFNETTEROVA, J.; SMAHEL, O.

Binding of peroral penicillin preparations by human plasma  
proteins. Cas. lek. cesk. 99 no.16:485-488 15 Ap '60.

1. Interni katedra Ustavu pro doskolovani lekaru v Praze, prednosta  
doc. dr. O. Smahel.  
(PENICILLIN - blood)  
(BLOOD PROTEINS chem.)

SMAHEL, Otakar, doc., Dr.Sc. MUDr.

Comments on the present content of internal medicine. Cas.lek. cesk  
100 no.8:235-237 24 F '61.

1. Prednosta Interni katedry UDL v Praze, reditel Vyzkumneho ustavu  
experimentalni terapie v Praze.

(EDUCATION, MEDICAL)

RYSANEK, K.; SMAHEL, O.; SMAHELOVA, R.; VITEK, V.; VOJTECHOVSKY, M.

Effects of some substances on neuroregulatory mechanism. *Activ. nerv. sup.* 4 no.3/4:422-426 '62.

1. Institute for General and Experimental Pathology, Medical Faculty,  
Charles University Institute for Human Nutrition Research Institute  
for Experimental Therapy Chair of Internal Medicine, Institute for  
Postgraduate Medical Training.

(PSYCHOSES)	(BENACTYZINE)	(TRANQUILIZING AGENTS)	(DYES)
(TRYPTOPHAN)	(SEROTONIN)	(MOMOAMINE OXIDASE)	(INDOLACETIC ACID)
(ANTI HISTAMINICS)	(HISTAMINE)	(REFLEX)	

CZECHOSLOVAKIA

Docent Dr Otakar SMAHEL and Prof Dr Jiri SYLLABA (No affiliation given)

"Unveiling of Memorial Plaques to Dr J. Podlipsky and Dr B. Eiselt."

Prague, Casopis Lekarů Ceských, Vol 101, No 52, 28 Dec 1962; pp 1517-1519.

Abstract: Josef Podlipsky (1816-1867) was a Czech patriot, physician and writer, was one of the two co-founders of the Casopis Lekarů Ceských in 1862. Because of his known nationalistic leanings he was under constant surveillance by the Austro-Hungarian authorities, and his effort to get equal rights for the Czech language at Charles' University in Prague bore fruit only 16 years after his death. Bohumil Eiselt, the other co-founder of the journal, was a young assistant professor, in straightened circumstances in 1862; he later wrote the First Czech textbook of pathology and therapeutics, was head (prednosta) of the first Czech clinic in 1874. He died in 1908, aged 77. Photographs of the two scientists and of the memorial plaques unveiled on the buildings where they lived and worked.

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CZECHOSLOVAKIA

**APPROVED FOR RELEASE: 08/25/2000** **CIA-RDP86-00513R001651420007-5"**

SMAHEL, O., Docent, Dr, Dr of Sciences, and GRAFMEŠTEROVA, J., with technical assistance of HOJZIMOVA, D., Research Institute for Experimental Therapy (Vyzkumny ustav experimentalni terapie), Prague, Dr O. SMAHEL, director.

"Distribution of Chloramphenicol in Organism Under Pathological Conditions"

Prague, Casopis Lekarů Ceských, Vol CII, No 26, 28 June 63, pp 710-713.

Abstract [Authors English summary, modified]: Under investigation was the amount of intration, plasmatic clearance, and urinary excretion of chloramphenicol following an administration of one gram of the preparation p.o. to healthy persons (13), to cirrhotic patients (10), and diabetic patients (11). Results: statistically significant difference in the distribution of chloramphenicol in healthy and ill persons; amount of intration is lower under pathological conditions; plasmatic clearance is reduced in cirrhosis and diabetes; no significant differences in intration, plasmatic clearance, and total urinary chloramphenicol excretion between cirrhotic and diabetic patients; the serum chloramphenicol level in diabetic patients an hour and half after administration was significantly higher than in cirrhotic patients and control group. Six references, including 3 Czech.

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3. penicillin V - potassium salt 200,000. Results were compared with the excretion of ascorbic acid. Results were compared with the excretion of penicillin V of potassium salt without ascorbic acid. T-tests were applied to evaluate all findings by a statistical method. American references, including 7 Czech and 3 Russian.

SMAHEL, O.; doc.dr., DrSc.

Full-time courses as a supplement for training in specialism.  
Cesk. zdrav. 12 no.3:96-98 Mr'64

1. Vedouci katedry vnitřního lékařství UDL, Praha.

\*



SMAN, O.

Postgraduate courses in education for specialism. Cas. lek.  
week. 103 no. 5701417-1418 D 28 164

SMAHEL, O., prof. MUDr.

Postgraduate instruction in internal medicine. Whitmi lek.  
11 no.3:292-295 Mr '65

1964, 1., Praha-Krc, Budojovicka 100; SMIL, O.

Clinical experiment and therapy. Cas. lek. Cesk. 104 no.49/50:  
1345-1350 10 E 1965.

1. Vyzkumny ustav experimentalni terapie v Praze (reditel prof.  
dr. O. Smol, DrSc.). Submitted June 1965.

SMÁHEL, O., (Praha-Křc, Budejovická 800); CERNOCH, A.; SORM, F.; KÖNIG, J.;  
VALENTA, O.; SVEHLA, C.; SVORC, J.; BLAHA, V.; UHER, V.;  
GERBEROVA, J.

An attempt to treat chorionepithelioma with 6-azauridin. Cas. lek.  
Cesk. 104, no.4:1085-1087 8 0 '65.

1. Vyzkumny ustav experimentalni terapie a interni katedra Ustavu  
pro onkolovani lekaru v Praze (reditel prof. dr. O. Smahel, DrSc.),  
Gynekol.-porodnicka klinika Ustavu pro onkolovani lekaru v Praze  
(prednosta doc. dr. A. Cernoch) a Ustav organicke chemie a biochemie  
Ceskoslovenske akademie ved (reditel akademik F. Sorm).

SMANEL, O.; SCHÜCK, O.; DVORACEK, K.; Technická spolupráce: NEČASEK, A.;  
BAMBAŠOVÁ, Z.

Distribution capacity and plasma and renal clearances of penicillin  
G. Čas. lek. Čech. 104 no.41:1117-1122 15 0 '65.

1. Vyzkumny ustav experimentalni terapie v Praze (reditel prof. dr.  
O. Smanel DrSc.).

Internal Medicine

CZECHOSLOVAKIA

UDC 616.131-005.7:616.24-073.272

DAUM, S.; Research Institute of Experimental Therapy (Vyzkumny Ustav Experimentální Terapie), Prague - Krc, Director (Reditel) Prof Dr O. SMAHEL.

"Diffusion Capacity of the Lungs in Pulmonary Embolism."

Prague, Casopis Lekaru Ceskych, Vol 105, No 44, 4 Nov 66, pp 1185 - 1188

Abstract [Author's English summary modified]: Diffusion capacity of the lungs (D), diffusion capacity of the membrane (DM), and the blood components (VC) were investigated in 14 cases of pulmonary embolism which occurred in patients with chronic thromboembolic disease. In 2 cases where single embolism occurred, data about dyspnea are lacking; the 3 investigated values were normal. In patients with dyspnea appearing both during exertion and rest, the value of D was reduced by more than 50%. DM was normal, the resistance was increased intercapillaryly. D, DM, and VC are important in the diagnosis of embolism. In light cases the changes are temporary and are partially or fully compensated. 2 Tables, 11 Western, 2 Czech references. (Manuscript received Jan 66).  
1/1

and reduced in 1. In complicated silicosis D was normal in 2 and reduced in 5 cases. In the pseudotumorous form  $D_M$  is affected,  $V_c$  is rather improved. In this form of silicosis  $D_M$  is affected more than in the other forms. 8 Western, 3 Czech, 1 Polish references. 2 Tables, 11 Western, 3 Czech references. (Manuscript received Jan 66).  
1/1

"Hemodynamic Changes in Surgical Treatment of Pulmonary Embolism."

Prague, Casopis Lekaru Ceskych, Vol 105, No 47, 25 Nov 66, pp 1234 - 1237

Abstract [Authors' English summary modified]: A long-term investigation of 71 patients with pulmonary TB is described; the influence of surgical treatment on the lesser blood circulation system, and the factors leading to the development of cor pulmonale were studied. When the operation is the only hope of saving the patient, pulmonary hypertension is not an absolute contra-indication. Detailed hemodynamic examination should be made before every extensive lung operation. 6 Figures, 6 Western, 3 Czech references. (Manuscript received Feb 66).  
1/1

CZECHOSLOVAKIA UDC 615.779.22-092.22:615.361.453-092.21

BULTAGOVA, H.; SMAHEL, O.; SYOBODOVA, J.; FINSKER, P.; Research Institute of Experimental Therapy (Vyzk. Ustav Eper. Terapie), Prague, Director (Reditel) Prof Dr O. SMAHEL; Institute for Research and Use of Radioisotopes in Medicine (Ustav pro Vyzkum a Vyuziti Radioizotopu v Lekarstvi), Prague, Director (Reditel) Dr B. VAVRINEK; Internal Department, Institute for Postgraduate Medical Training (Interni Katedra Ustavu pro Duskol. Lekaru), Prague, Head (Vedouci) Prof Dr O. SMAHEL.

Kinetics and Metabolism of

SMAHEL, O.. Doc., Dr.: SMAHELOVA, R., Dr.: Technicka spoluprace  
M. Soukova, A. Vejtrubova.

Effect of nitrogen mustard on antibody formation. Cas. lek.  
cesk. 91 no.24-25:733-735 20 June 52.

1. Z ustavu pro vseob. a pokusnou pathologii lek. fak.  
Karlovy university v Praze, Predn. prof. dr. J. Hepner.  
(NITROGEN MUSTARDS, effects,  
on antibody form.)  
(ANTIGENS AND ANTIBODIES,  
antibody form., eff. of nitrogen mustards)

SMACHELOVA, R.

SCHUCK, O., Dr; SMACHELOVA, R., Dr

Osmotic function of the kidneys. Cas. lek. cesk. 93 no.36-37:  
977-982 10 Sept 54.

1. I. interni klinika, prednosta prof. Dr M. Netousek. Ustav pro  
vseob. a pokusnou pathologii, prednosta prof. Dr J. Hepner.  
(KIDNEYS, physiology.  
osmotic funct.)



SCHUCK, O.; HOENIG, V.; SMAHELOVA, R.; with technical assistance of:  
HOENIGOVA, J.; AVRATOVA, M.

Liver cirrhosis and the elaboration of hypertonic urine. Rev.Czech.M.  
6 no.2:112-117 1960.

1. First Medical Clinic, Charles University, Prague, Director:  
Prof. M. Netousek, M.D. Institute for General and Experimental  
Pathology, Prague, Director: Prof. J.Hepner, M.D.

(LIVER CIRRHOSIS urine)  
(SODIUM urine)  
(POTASSIUM urine)

SCHUCK, O.; HOENIG, V.; SMAHELOVA, R.; s technickou spolupraci HOENIGOVA, J.;  
AVRATOVA, M.

Liver cirrhosis and production of hypertonic urine. Cas.lek.cesk. 99  
no.7/8:241-244 19 F '60.  
(LIVER CIRRHOSIS urine)

STRIERSA, Jarmila; SMAHELOVA, Ruzena; SCHUCK, Ota

Changes of renal excretion of electrolytes after the compression  
of the hypogastrium in man. Cas.lek.cesk. 99 no.7/8:244-247 19  
'60.

1. I. klinika chorob vnutrnych, prednosta prof.dr. M. Netousek a  
Ustav pro vseobecnou a pokusnou patologii, prednosta prof. dr.  
J. Hepner, fakulta vseobecneho lekarstvi KU v Praze.  
(ABDOMEN physiol.)  
(WATER ELECTROLYTE BALANCE)

SMAHELOVA, Ruzena

Plasma iron and hemoglobin in experimental tumor disease. Acta univ. carol.[Med] no.4:477-535 '61.

1. Ustav pro vseobecnou a pokusnou patologii fakulty vseobecneho lekarstvi University Karlovy, prednosta prof. MUDr. J. Hepner.

(NEOPLASMS exper) (IRON blood) (HEMOGLOBIN chemistry)

STRIBRNA, J.; SMAHELOVA, R.; SCHUK, O.; FABIAN, Fr.

Osmotic renal function in chronic kidney diseases. Acta univ. carol  
[med.] Suppl. 14:401-413 '61.

1. I. interni klinika fakulty vseobecneho lekarstvi University Karlovy  
v Praze, prednosta prof. dr. V. Hoenig Ustav pro vseobecnou a pokusnou  
patologii fakulty vseobecneho lekarstvi University Karlovy v Praze,  
prednosta prof. dr. J. Hepner Ustav pro matematiku statistiku University  
Karlovy prednosta prof. dr. J. Janko.  
(KIDNEY FUNCTION TESTS) (KIDNEY DISEASES physiol)  
(OSMOSIS)

SCHUCK, O.; ANDRYSEK, O.; SMAHELOVA, R.; STRIBRNA, J.; STREJCEK, J.

Recent views on disorders of the concentration activity of the  
kidney in chronic renal diseases. Sborn. lek. 63 no.11:337-344, N  
'61.

(KIDNEY DISEASES)

RYSANEK, K.; SMAHEL, O.; SMAHELOVA, R.; VITEK, V.; VOJTECHOVSKY, M.

Effects of some substances on neuroregulatory mechanism. Activ. nerv.  
sup. 4 no.3/4:422-426 '62.

1. Institute for General and Experimental Pathology, Medical Faculty,  
Charles University Institute for Human Nutrition Research Institute  
for Experimental Therapy Chair of Internal Medicine, Institute for  
Postgraduate Medical Training.  
(PSYCHOSES) (BENACTYZINE) (TRANQUILIZING AGENTS) (DYES)  
(TRYPTOPHAN) (SEROTONIN) (MOMOAMINE OXIDASE) (INDOLACETIC ACID)  
(ANTIHISTAMINICS) (HISTAMINE) (REFLEX)

SMAHELOVA, Ruzena

Iron ferritin in experimental neoplasms. Cas. lek. cesk. 101 no.  
24/25:787-791 22 Je '62.

1. Ustav pro vseobecnou a pokusnou patologii fakulty vseobecneho l  
lekarstvi KU v Praze, prednosta prof. dr. J. Hepner.

(NEOPLASMS experimental) (FERRITIN metabolism)



HEPNER, J.; SMAHELOVA, R.

Serum haptoglobins in experimental neoplasms. Cas. lek. cesk.  
103 no. 6: 137-140 7 Mr '64

SKARLOVA, R. (Praha, 1, nahr. 1. Kyjevske brigady 8); HEPNER, J. [deceased]

The effect of cytostatics 6-azur and 6-aza and of the antibiotic chlortetracycline and lymphocytes in rats with Walker's carcinoma 256. Cas. lek. cesk. 104 no.26:711-718 2 JI '65.

J. Ustav patologické fyziologie fakulty všeobecného lékařství  
Karlovy University v Praze (prednosta: doc. dr. T. Travnicek, CSc.).

STEBERNA, J.; SMAHELOVA, R.; SCHUCK, O.

Contribution to the evaluation of so-called concentration  
ability of the kidney. Vnitřní lek. 11 no.12:1170-1175  
D ' 65.

1. Vyzkumny ustav experimentalni terapie, Praha-Krc (reditel -  
prof. Dr. O. Smahel, Dr.Sc.) i Ustav patologicke fysiologie  
Karlovy University Praha (prednosta - doc. Dr. T. Travnicek,  
CSc.).

SMAILBEGOVIC, Pathulah, dr inz., prof. (Sarajevo)

Determination of geometric elements, design, and construction  
of hyperboloid cooling towers. Geod list 17 no.7/9:254-265  
J1-S '63.